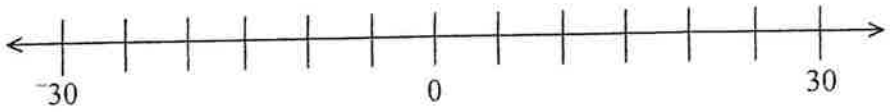
Packet #3

ame _____

Packet # 6

1. Make points and write numbers on the number line for each of these integers and their opposites, for example, ⁻30 and 30.

⁻6, ⁻15, 20



2. ⁻4 + ⁻2 = _____

3. ⁻4 – 2 = _____

4. If $p = 6$, what is the value of $^{-}8 + 2p$? _____

5. ⁻250 + ⁻150 = _____

6. $1{,}000 + n = 0$ $n =$ _____

7. $6s = 72$ $s =$ _____

8. $\frac{m}{2} = 1.5$ $m =$ _____

Bernard grew 3.9 inches in 1 year. How many inches did he grow each month on average?

9. Write an equation to solve the problem. _____

10. Solve the equation. Round to the nearest tenth. Label the answer. _____

11. $0.7r = 0.84$ $r =$ _____

12. $d \div 4 = 2.2$ $d =$ _____

13. The football team began with 0 yards, lost 10 yards, gained 5 yards, lost 3 more yards, and then gained 15 yards. How many yards did they gain or lose overall?

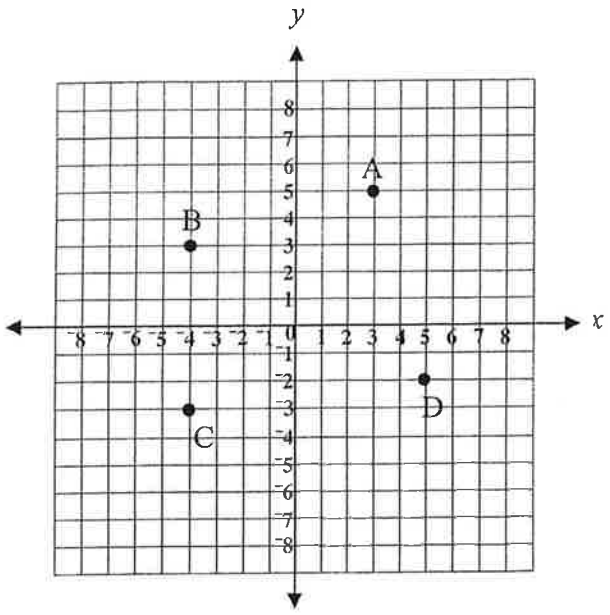
_____ yds

14. Study this function table and complete it.

a	0	$^{-}1$	$^{-}2$	$^{-}3$	$^{-}4$
b	1.5	0.5	$^{-}0.5$	_____	_____

15. Complete the equation to show how to find b. $b =$ _____

16. Give the coordinates of points A, B, C, and D.



A: _____

B: _____

C: _____

D: _____

The first temperature taken one morning in Fargo, North Dakota, was $^{-}8°$. The temperature went up three degrees every two hours for eight hours. The temperature changes are shown in the table.

Temperature Changes

Number of Hours, x	0	2	4	6	8
Number of degrees, y	$^{-}8°$	$^{-}5°$	____°	____°	____°

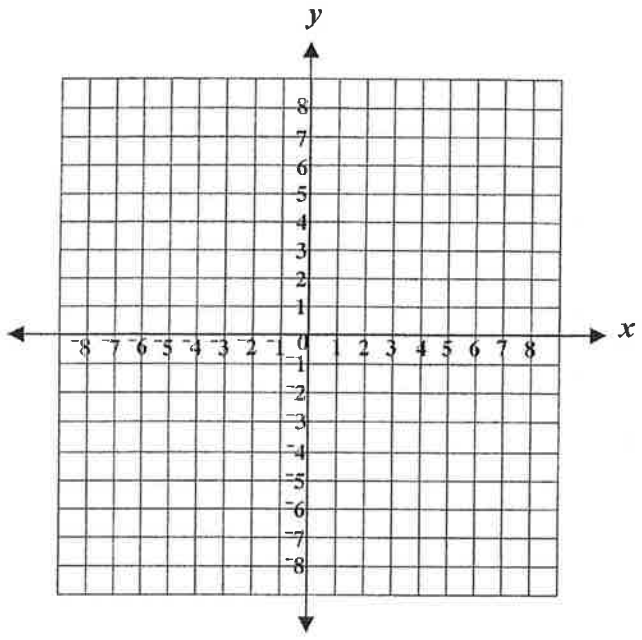
17. Complete the table.

18. If the temperature continued to go up 3° every two hours what would it be at the tenth hour?

_____

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19. Graph the ordered pairs in the completed table from problem 17 above onto this grid, and connect the points with a line.



20. Decide if the following number sentences have the same answer or not. Explain your thinking.

$^{-}5 - {}^{-}8$ $^{-}5 - 8$

21. Alicia (A) is twice the age of her younger brother. If her brother is (Y) years old, how old is Alicia? Write an expression for the relationship of Alicia's age to her brother.

22. Allison made a new year's resolution to jog every day. Each afternoon she starts from home and jogs around her neighborhood at a rate of 2.5 miles per hour. She jogs for a total of 6 hours every week. Make a graph showing the relationship between the distance Allison has jogged and the time she has jogged for a week.